

Amendment “A”

Please cancel claims 17-25, without prejudice. The status of the claims is as follows.

Claim 1 (original). A transition insert, comprising:

a first member comprising essentially steel;

a second member comprising Al and between about 1.8% and 10.0% Si; and
wherein,

the first member and the second member are joined to one another by one of roll bonding or explosion bonding.

Claim 2 (original). The transition insert of claim 1, wherein the second member comprises between about 2.0% and 5.0% Si.

Claim 3 (original). The transition insert of claim 1, wherein the second member comprises between about 2.0% and 3.0% Si.

Claim 4 (original). The transition insert of claim 1, further comprising:

an interlayer joined to one of the first member or the second member; and
wherein.

the first member and the second member are joined to one another at the interlayer by the roll bonding or the explosion bonding.

Claim 5 (original). The transition insert of claim 4, wherein the interlayer comprises essentially Cr.

1 Claim 6 (original). The transition insert of claim 4, wherein the interlayer is between
2 about 0.01 and 10.0 microns thick.

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4 Claim 7 (original). A transition insert, comprising:

5 a first member comprising essentially steel;

6 a second member comprising Al and between about 1.8% and 10.0% Si;

7 an interlayer comprising essentially Cr joined to one of the first member or the
8 second member; and wherein,

9 the first member and the second member are joined to one another at the
10 interlayer by one of roll bonding or explosion bonding.

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12 Claim 8 (original). The transition insert of claim 7, wherein the second member
13 comprises between about 2.0% and 5.0% Si.

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15 Claim 9 (original). The transition insert of claim 7, wherein the second member
16 comprises between about 2.0% and 3.0% Si.

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18 Claim 10 (original). The transition insert of claim 7, wherein the interlayer is between
19 about 0.01 and 10.0 microns thick.

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21 (Continued on next page.)

1 Claim 11 (original). A transition insert, comprising:

2 a first member, wherein the first member is a material selected from the group
3 consisting of essentially copper, essentially an iron based alloy, and essentially
4 titanium;

5 a second member comprising Al and between about 1.8% to 10.0% Si; and
6 wherein,

7 the first member and the second member are joined to one another by one of
8 roll bonding or explosion bonding.

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10 Claim 12 (original). The transition insert of claim 11, wherein the second member
11 comprises between about 2.0% and 5.0% Si.

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13 Claim 13 (original). The transition insert of claim 11, wherein the second member
14 comprises between about 2.0% and 3.0% Si.

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16 Claim 14 (original). The transition insert of claim 11, further comprising:

17 an interlayer joined to one of the first member or the second member; and
18 wherein,

19 the first member and the second member are joined to one another at the
20 interlayer by the roll bonding or the explosion bonding.

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22 Claim 15 (original). The transition insert of claim 14, wherein the interlayer
23 comprises essentially Cr.

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25 Claim 16 (original). The transition insert of claim 14, wherein the interlayer is
between about 0.01 and 10.0 microns thick.

1 Claims 17-25 (cancelled).

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3 (End of claim listing.)

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5 (Continued on next page.)

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Case SP01-P02
Election of Single Species